

Company John O Farmer Inc.
 Well Waugh B #2
 Field Wildcat
 County Wabaunsee
 State Kansas

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Location: 1210' FSL & 640' FWL
 SEC 18 TWP 15S RGE 12E
 API #: 15 197 20296
 Other Services
 Permanent Datum Ground Level Elevation 1305'
 Log Measured From KB 8' AGL
 Drilling Measured From KB
 Elevation
 K.B. 1313'
 D.F. 1313'
 G.L. 1305'

Date	8-13-12	
Run Number	One	
Depth Driller	3119'	
Depth Logger	3092'	
Bottom Logged Interval	3091'	
Top Log Interval	1550'	
Open Hole Size	7 7/8"	
Type Fluid	Water	
Density / Viscosity	///	
Max. Recorded Temp.	///	
Estimated Cement Top	1722'	
Time Well Ready	8:00 AM	
Time Logger on Bottom	8:15 AM	
Equipment Number	T745	
Location	Hays, KS	
Recorded By	Justin LaBarge	
Witnessed By	Val Dreher	
Borehole Record		
Run Number	Bit	From To
		Size Weight From To
Tubing Record		
	Size	Wgt/Ft
		Top Bottom
Casing Record		
Surface String		
Prot. String		
Production String		
Liner		

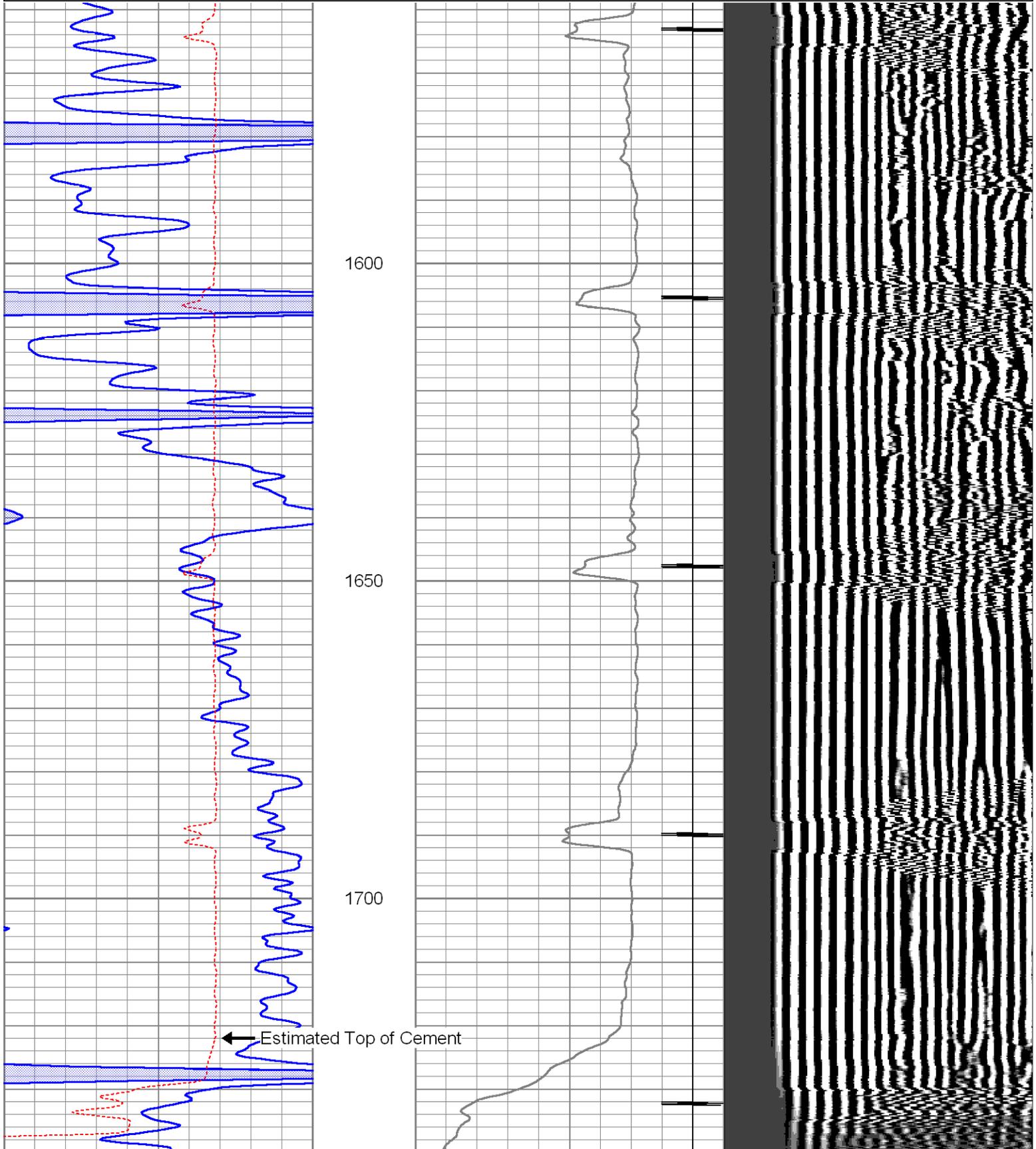
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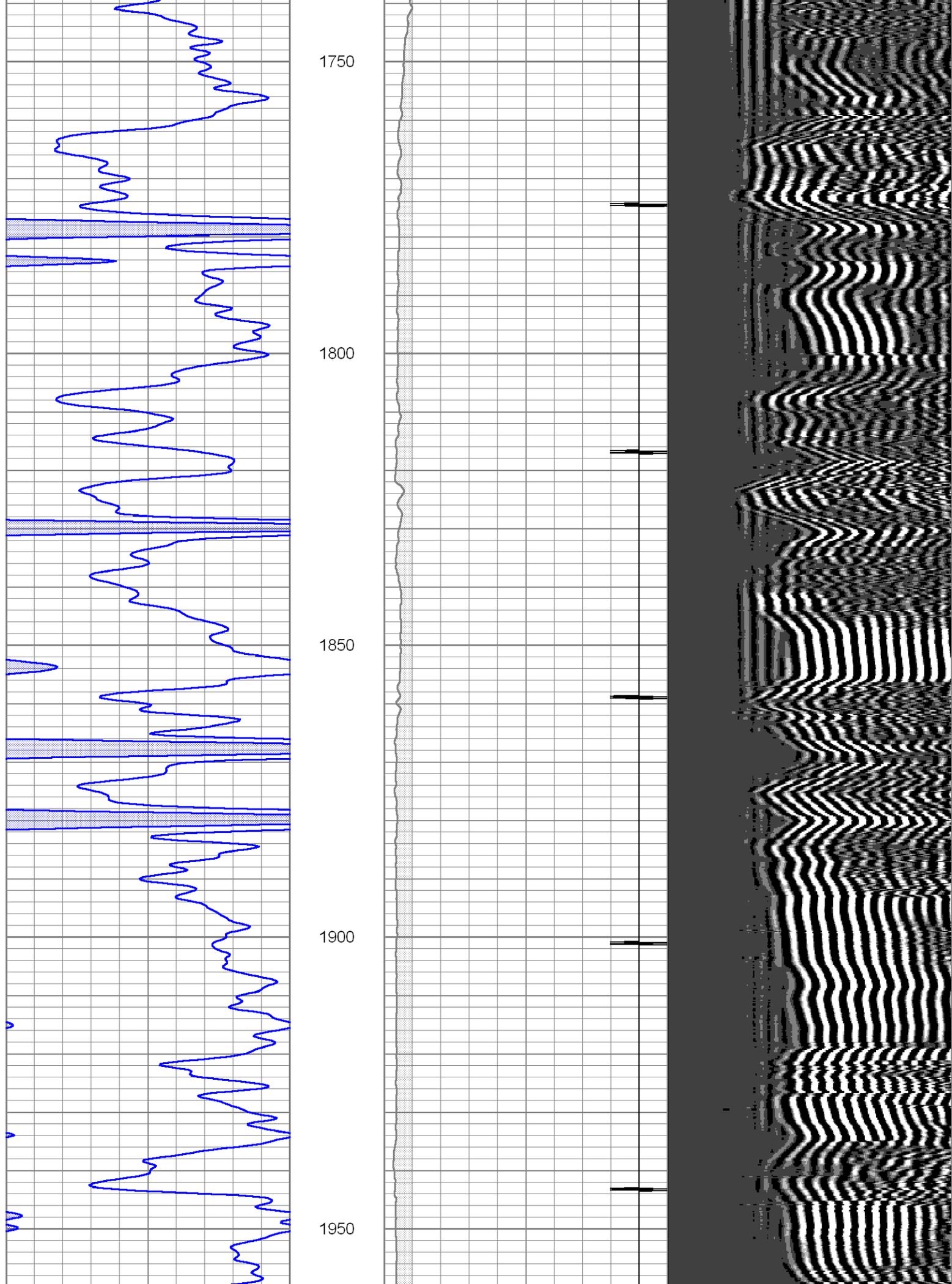
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

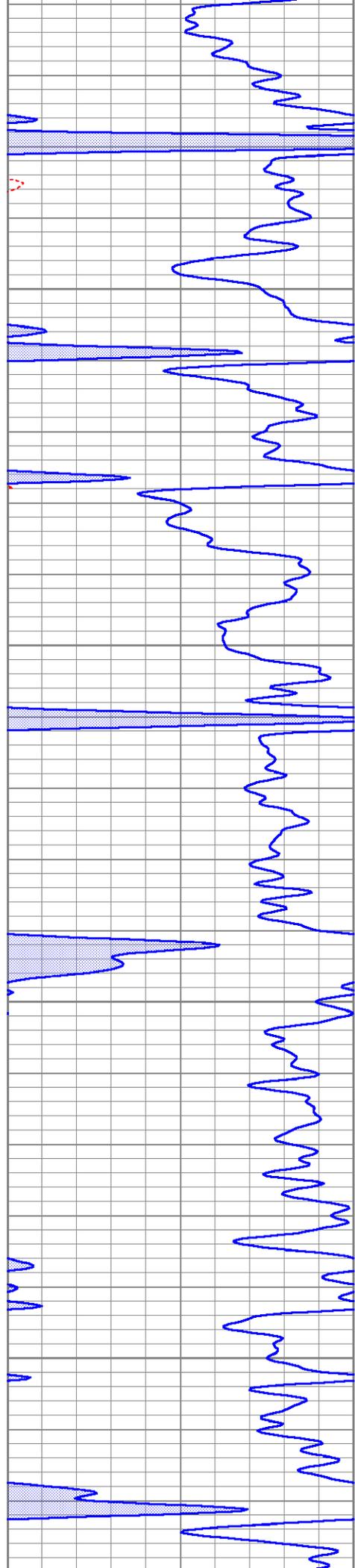
Comments

Database File: jofwaughb#2cbl.db
 Dataset Pathname: pass3
 Presentation Format: cbl
 Dataset Creation: Mon Aug 13 08:34:54 2012 by Log Std Casedhole 10121
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3 (mV)	100			
420	TT3FT (usec)	220						





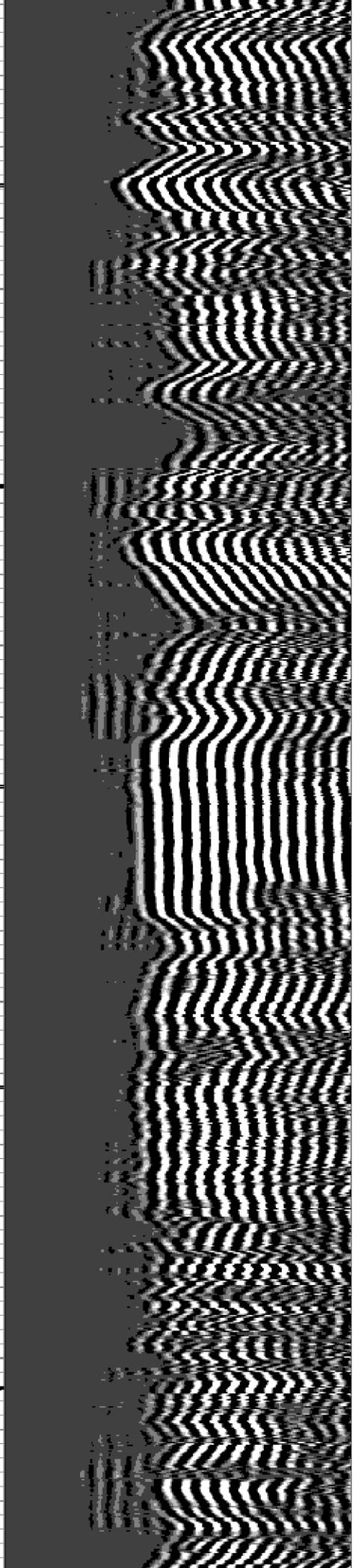
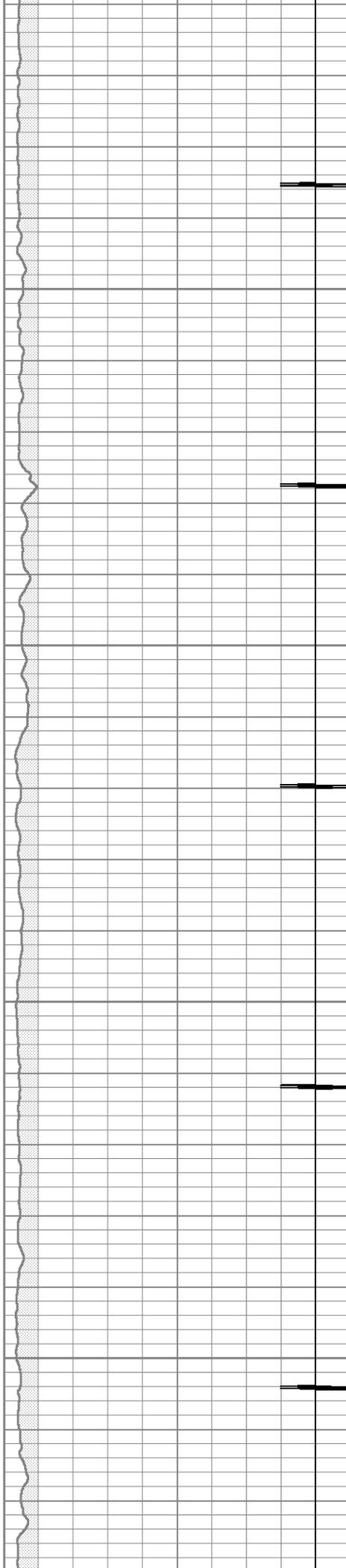


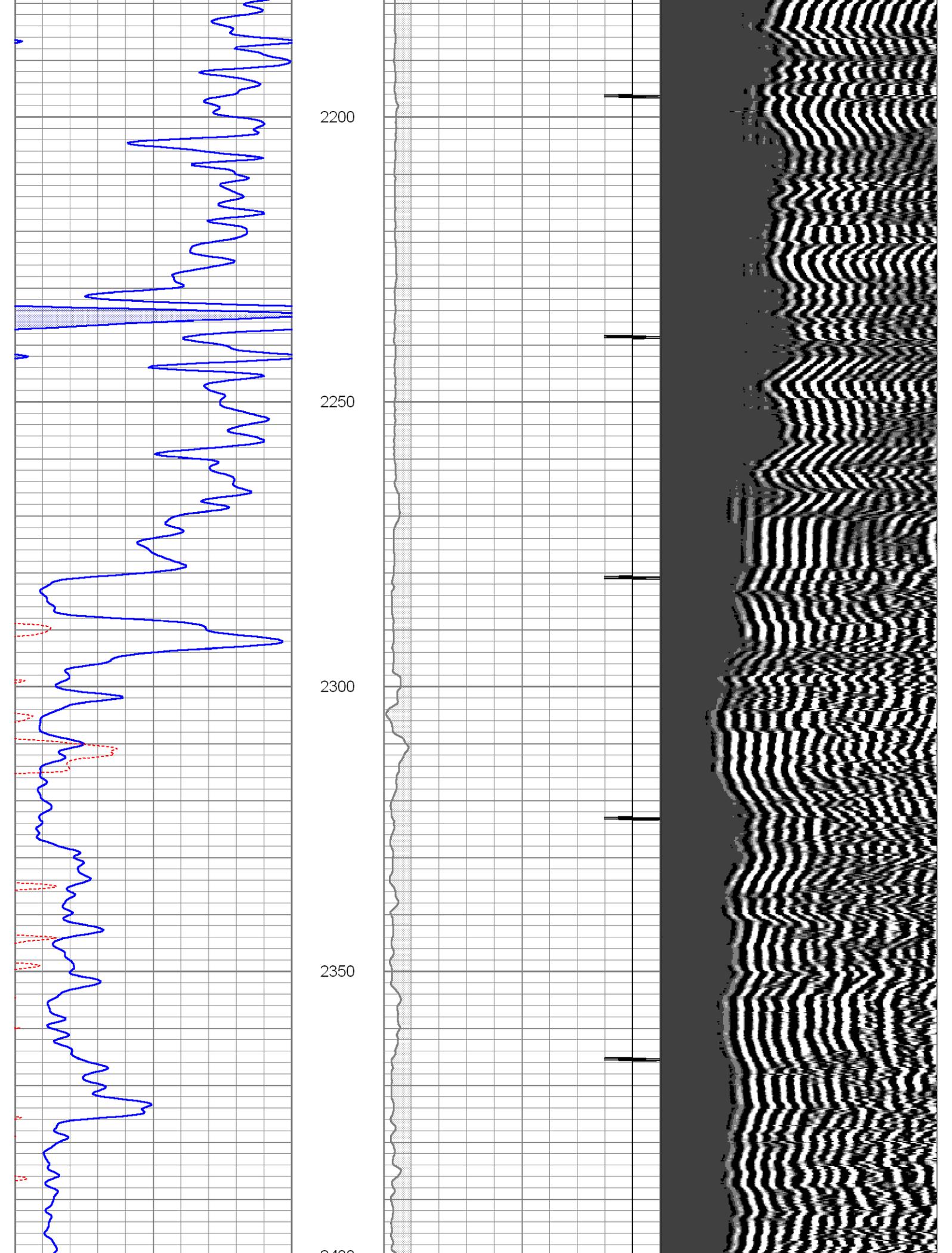
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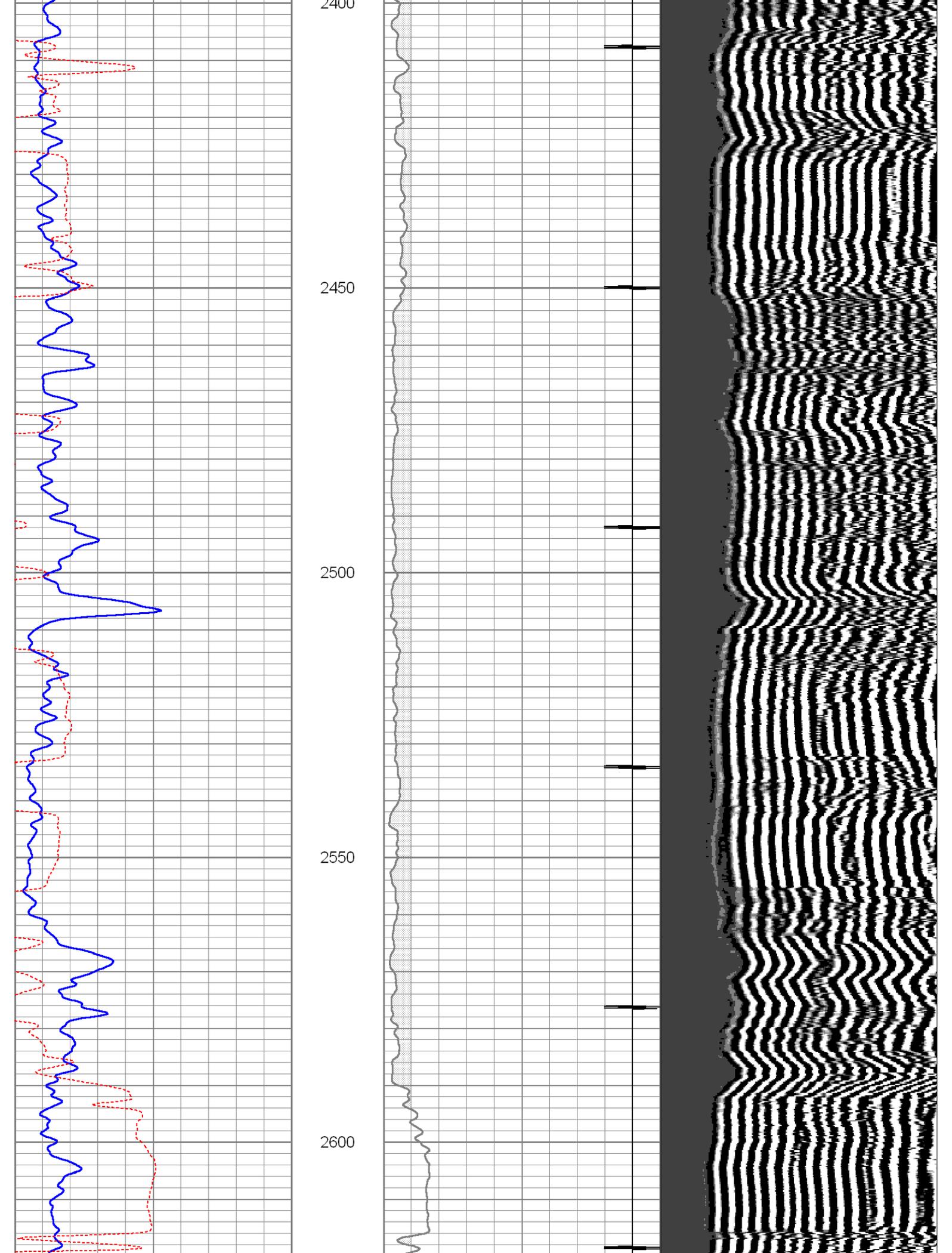
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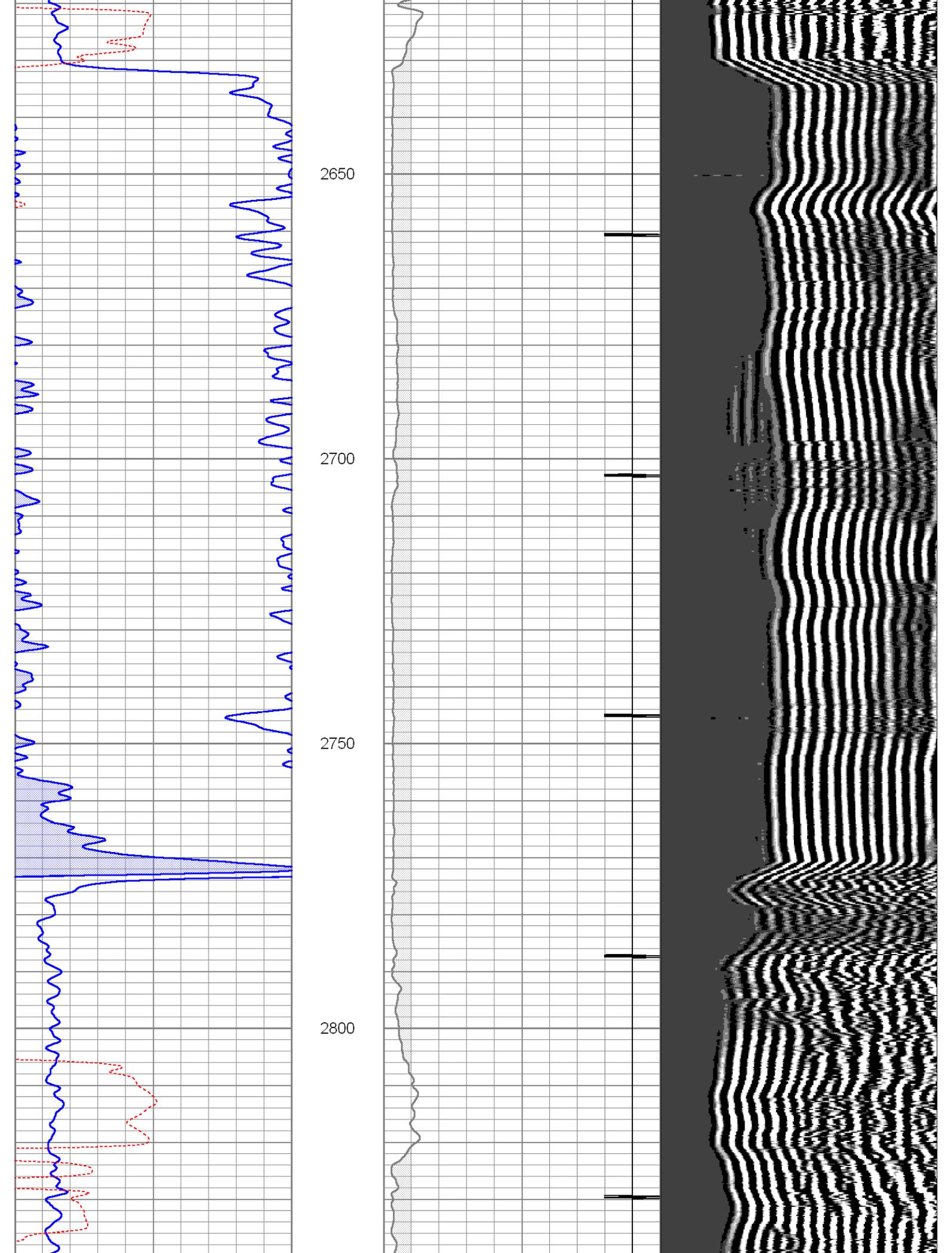
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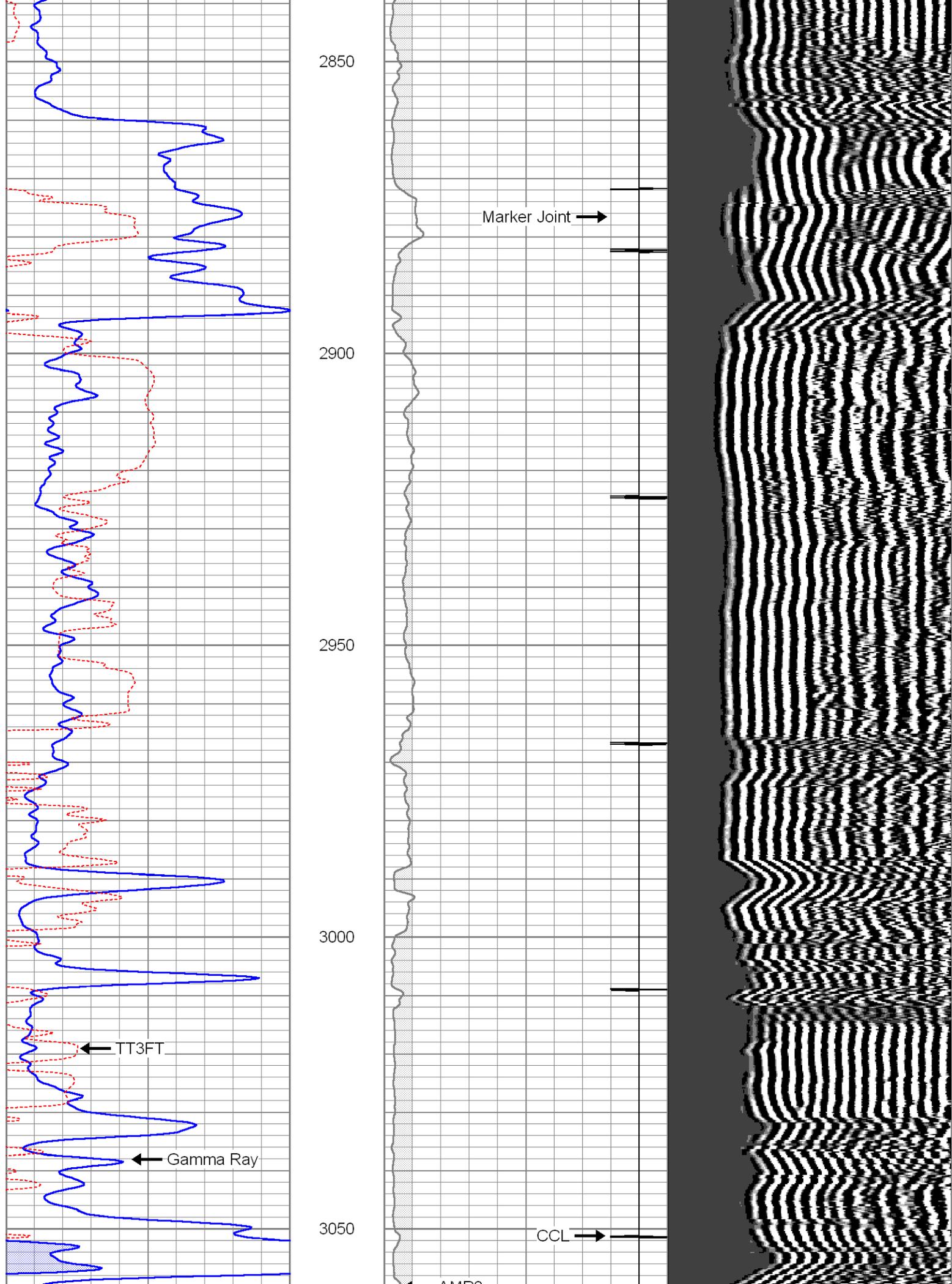
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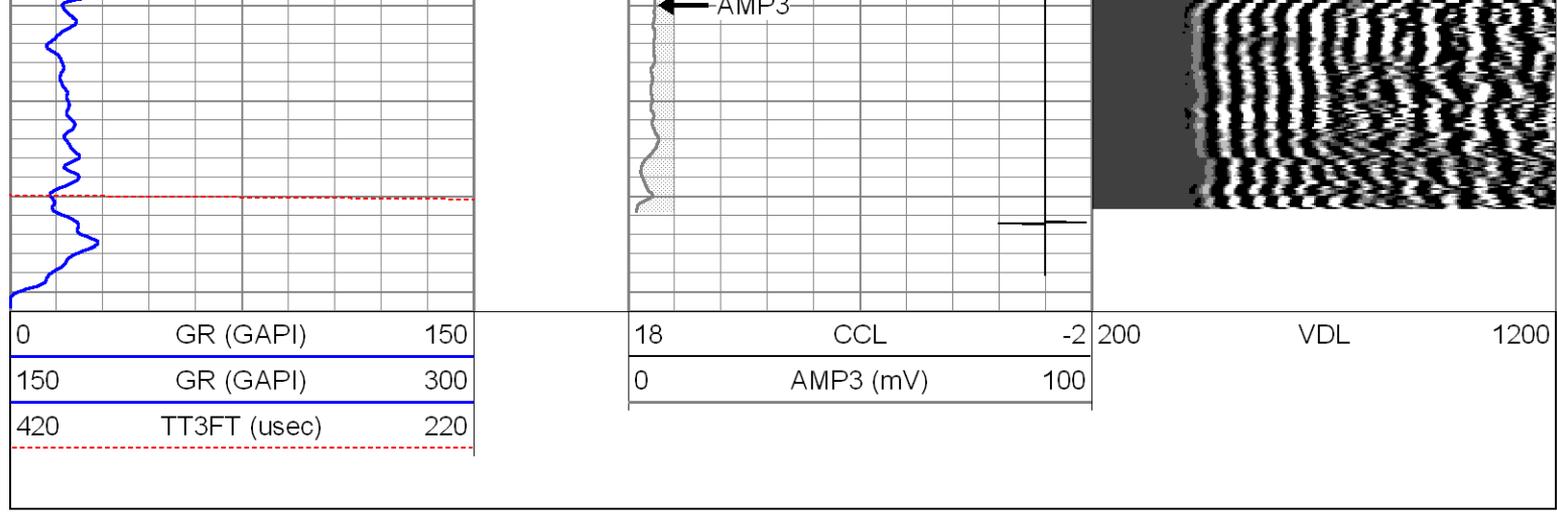








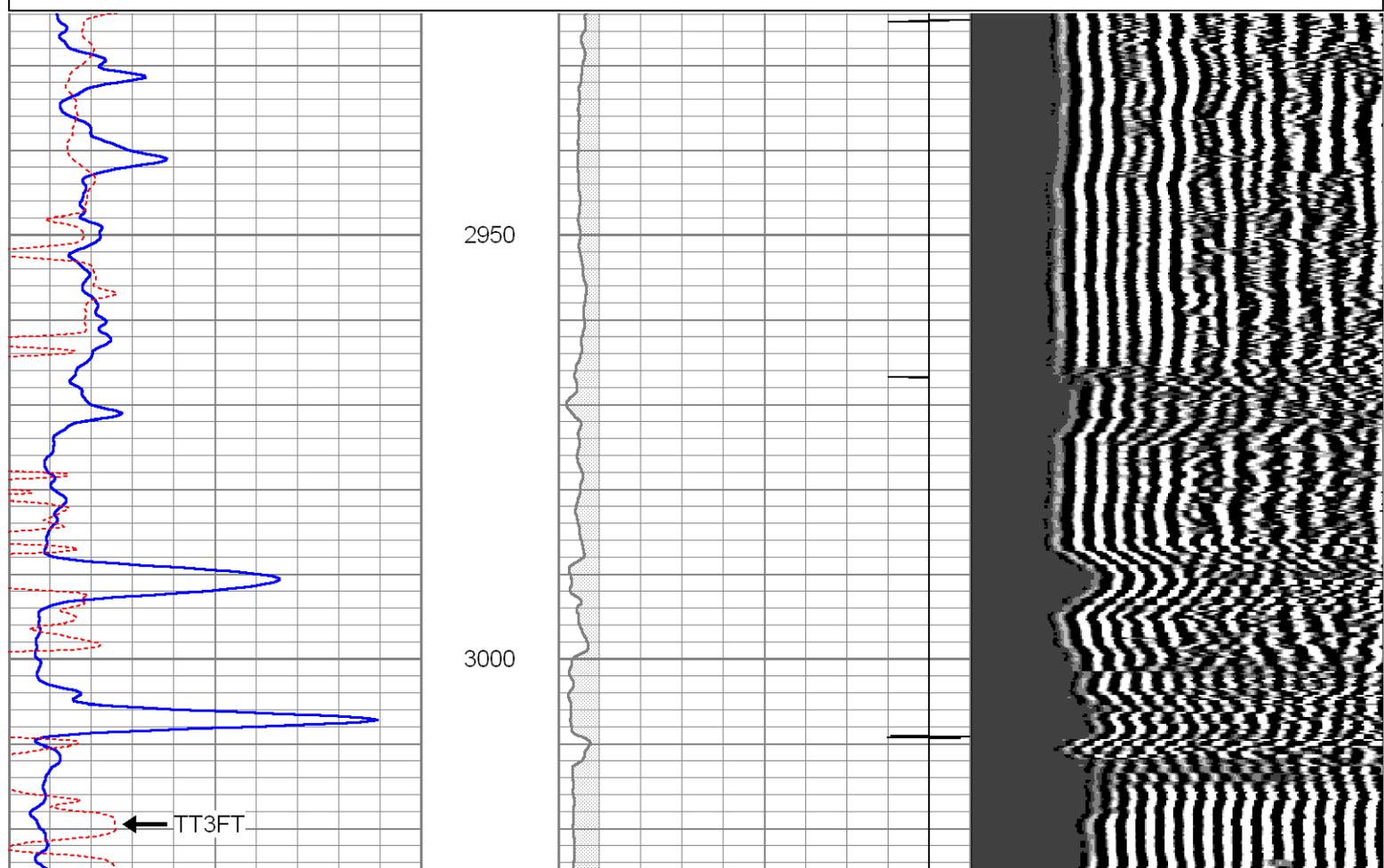


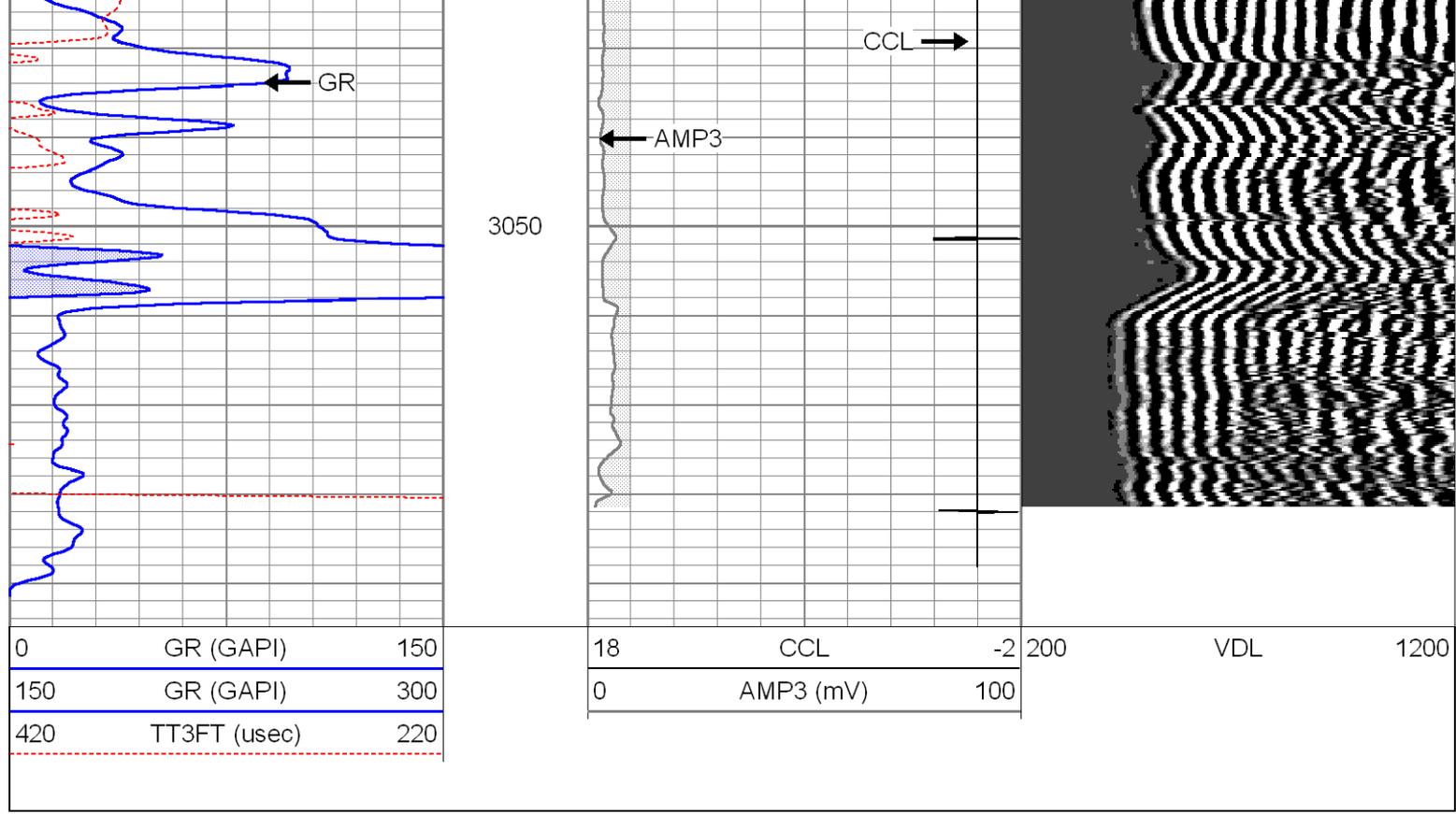


Repeat Section

Database File: jofwaughb#2cbl.db
 Dataset Pathname: pass2
 Presentation Format: cbl
 Dataset Creation: Mon Aug 13 08:26:28 2012 by Log Std Casedhole 10121
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	18	CCL	-2	200	VDL	1200
150	GR (GAPI)	300	0	AMP3 (mV)	100			
420	TT3FT (usec)	220						





Calibration Report

Database File: jofwaughb#2cbl.db
 Dataset Pathname: pass3
 Dataset Creation: Mon Aug 13 08:34:54 2012 by Log Std Casedhole 10121

Gamma Ray Calibration Report

Serial Number: 080224
 Tool Model: Probe1
 Performed: Mon Apr 23 08:09:48 2012

 Calibrator Value: 200.0 GAPI

 Background Reading: 15.0 cps
 Calibrator Reading: 222.7 cps

 Sensitivity: 0.9629 GAPI/cps

Cement Bond Log Calibration Report

Serial Number: 061007
 Tool Model: DigitalCBL
 Performed: Fri Jun 08 14:00:18 2012

 Depth: 39.6292 ft
 Casing Diameter: 5.5 in

	3' Spacing	5' Spacing	
Signal Zero:	2	0	mV
Calibrated Amplitude:	71.921	71.921	mV
Reading at Signal Zero:	0.00266113	0.00258789	V
Reading in Free Pipe:	1.24	1.1895	V

Gain:	56.5092	60.595	
Offset:	1.84962	-0.156813	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)	
			275 2 3/4" Centralizer	2.94	2.75	10.00	
			sdschd	0.75	1.44	3.00	
WVF3	11.69			Probedig-DigitalCBL (061007) 2 3/4 Bond Tool	8.77	2.75	92.00
WVF5	10.69						
				275 2 3/4" Centralizer	2.94	2.75	10.00
CCL	3.67			CCL-Probe (080224)	1.42	2.75	20.00
GR	2.30		GR-Probe1 (080224)	3.08	2.75	40.00	

Dataset: jofwaughb#2cbl.db: field/well/run1/pass3
 Total Length: 19.89 ft
 Total Weight: 175.00 lb
 O.D. 2.75 in